

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
062002-2690 International application No.	International filing date (day/mor		
international application 140.			
PCT/US03/19290 International Patent Classification (IPC) of	19 June 2003 (19.06.2003)	19 June 2002 (19.06.2002)	
		j	
IPC(7): B01D 53/04, 53/62 and US Cl.:	95/96,139,900; 423/230; 502/56,	103	
Applicant			
GEORGIA TECH RESEARCH CORPO	RATION		
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of sheets, including this cover sheet. 			
2. This REPORT consists of	a total of V sheets, including	this cover sheet.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
These annexes consist of a total of A sheets.			
3. This report contains indications relating to the following items:			
I Basis of the rep	oort		
II Priority			
III Non-establishm	ent of report with regard to no	velty, inventive step and industrial applicability	
IV Lack of unity o			
		regard to novelty, inventive step or industrial	
applicability; ci	itations and explanations suppo	rting such statement	
VI Certain docume	VI Certain documents cited		
VII Certain defects in the international application			
VIII Certain observations on the international application			
Date of submission of the demand	Date	e of completion of this report	
06 January 2004 (06.01.2004)		une 2004 (29.06.2004)	
Name and mailing address of the IPEA/US		norized officer	
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		pert H. Spitzer Jean Process:	
P.O. Box 1450 Alexandria, Virginia 22313-1450		phone No. (571) 272-0987	

Form PCT/IPEA/409 (cover sheet)(July 1998)

Interp	al application No.	
PCTA	/19290	

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
		the international application as originally filed.
	\boxtimes	the description:
		pages NONE as originally filed
		pages NONE , filed with the demand
	<u> </u>	pages 1-21 , filed with the letter of 20 May 2004 (20.05.2004)
	\boxtimes	the claims:
		pages NONE , as originally filed
		pages NONE , as amended (together with any statement) under Article 19 pages NONE , filed with the demand
		pages 22-27 , filed with the letter of 20 May 2004 (20.05.2004)
	\square	the drawings:
		pages I, as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
		the sequence listing part of the description:
	_	pages NONE , as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
2.	lang	n regard to the language, all the elements marked above were available or furnished to this Authority in the unuse in which the international application was filed, unless otherwise indicated under this item. see elements were available or furnished to this Authority in the following language which is:
	T lies	
	\vdash	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination(under Rules
		55.2 and/or 55.3).
3.	Wit	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.	\boxtimes	The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go
*	Dani	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** accement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
thi	s rene	icement sheets which have been jurnished to the receiving Office in response to an invitation dide. Milles 70.16 and 70.17). ort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.



Internation PCT/	l application No. 9290	

cause an ac position, v	-32 NONE -32	hich comprises an alkal	li metal about 300%
Claims Claims Claims Claims cle 33(4) b cause an ac position, v	-32 NONE -32 NONE cause the subject matter claim sorbent for carbon dioxide which has been heated to a temp least 0.8 millimoles of carbo es of record.	hich comprises an alkal	YES NO YES NO ed in li metal about 300%
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Interpolation No.	
PCT/c_s3/19290	

The Cart of Ca	
The following defects in the form or contents of the international application have been noted:	
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